COUNTRY

OSFERRY/USSE

SUBJECT

Production of Explosives

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This is UNEVALUATED Information

1. The Sprengstoff-& Znendschung-Verke Granschwitz, A.G. are making at the present time rock-blasting and safety mining explosives

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- these explosives. It is bought by the factory as a finished product, but must be ground and dried up to 0,005 % moisture before its use. This process takes place in a batting machine and in an air-heated drying drum. Likewise all other raw materials, needed for the manufacture of explosives, are supplied by other firms in a finished state. Soda mitre, sawdust, trimitroluene and collection wool are dried separately; they are broken up into small nieces and are sifted or malted and then processed. The most important compound of the explesives is mitro glycerine which is made separately seconding to the precipitation process (Verdraengnisverfahren), i.e. mitration and separation take place in the same and aratus; after washing, the nitro glycerine is added to the explesive as a neutral element. All raw materials used are weighed in special containers in the processing plants and are then taken to the mixing department.
- 3. The different raw meterials are mixed in the mixing plant. The finished explosive mixture is mut once more through a sieve and the tetal weight of the charge is checked. The explosive is now poured into vate and taken to the settling plant where it remains until the time it is filled into certridges. Checks and laboratory tests are made ourrently to make sure that the explosive matter is well mixed. There are separate filling houses where the powderlike explosive mixture is disposed by means of special filling machines; upon diseagning of a foot pedal, a certain quantity (always the same) of explosive mixture is numbed into a paper shell which is attached to the sipe, sounted on the filling spindle. The caper cartridge is then closed by hand. The finished shells are taken to the immersion room where they are put into a paraffin bath. The paraffin cover protects the explosive against moisture. Now the cartridges are taken to the packing ro m and packed into wooden boxes and cardboar boxes. The boxes are stored in magazines until shipment. Selatine-like explosives are poured into shells in separate filling houses; for the a explosives, maper shells are used which have already been inversed in araffin. Here too, the explosive mixture is released in uniform quantities by rotating a filling smindle and pouring into the cartridge cases. The filling of the gelatine-like mixture requires more manual work than that of powder explosives.

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4. The shells are made either by special mechinesor by hand. A printing press is used for marking the paper; a machine is likewise available for the paraffining presses. The cardboard used for boxe: is supplied in fixed sixes; they are punched and folded in the packing house; the boxes required for the explosives are likewise being made in the packing department.

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